

QA Report : Warrant Focus

Stock	Warrant Price(Bt)		Underlying (Baht)	Time Left (Year)	Exe. Price (Baht)	Exe. Ratio	Premium (%)	All in Premium (%)	Volatility (%)	Warrant Remaining (Mil.Unit)	Gearing (X)	Expiry Date	Exercise Period
	Market	Black Scholes											
7UP-W4	0.10	0.18	0.42	2.26		1 : 1	-42.86		75.15	605.92	4.20	08-Aug-22	Last Trading of June
AKR-W1	0.08	0.02	0.57	1.07	1.00	1 : 1	254.95	89.47	52.32	671.57	7.13	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.34	0.2	1.88	0.62	3.00	1 : 1	70.93	77.66	87.57	230.98	5.53	18-Dec-20	15th of Mar, Sep
APEX-W1	0.02	0.01	0.09	1.15	0.40	1 : 1	N/A	366.67	106.34	499.97	4.50	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.14	0.53	1.17	1.08		1 : 1	-73.68		57.92	95.83	8.36	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	SP	0	1.22	0.03	2.00	1 : 1	N/A	64.75	105.72	102.47	122.00	15-May-20	25 Jun and 25 Dec of each year
AYUD-W1	SP	N/A	36.5	0.01	37.85	1 : 1.03	N/A	3.85	37.78	78.51	3759.50	09-May-20	15th of Jun, Dec
B52-W2	0.01	0	0.16	0.09	7.36	1 : 0.204	N/A	918.64	71.61	1,756.00	3.26	06-Jun-20	Last trading day of June, Dec
BKD-W2	0.08	0.04	2	2.57	4.43	1 : 1.01689	118.42	127.37	36.19	358.73	25.42	30-Nov-22	Last trading day of Nov
BM-W1	0.06	0	1.51	0.28	4.00	1 : 1	N/A	168.87	56.96	110.00	25.17	14-Aug-20	16 Aug 2020
BROOK-W5	0.11	0.06	0.37	2.04	0.25	1 : 1	75.35	-2.70	45.35	1,079.19	3.36	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W5	0.98	1.08	11.5	0.79	14.00	1 : 1	-9.02	30.26	51.02	1,315.33	11.73	16-Feb-21	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.19	0.65	4.99	1 : 0.12024	N/A	304.40	96.81	3,437.23	2.28	28-Dec-20	30 of Nov
B-W4	0.02	0.01	0.19	1.16	0.92	1 : 1.3087	74.24	516.59	96.81	96.85	12.43	01-Jul-21	Last trading day of June, Dec
B-W5	0.03	0.03	0.19	0.86	0.35	1 : 1	8.59	100.00	96.81	290.56	6.33	15-Mar-21	Last trading day of Jan, Apr, Jul, Oct
CGD-W4	0.07	0	0.73	1.14	2.75	1 : 1	N/A	286.30	38.84	1,652.87	10.43	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.02	0	0.75	1.06	2.00	1 : 1	N/A	169.33	27.75	1,445.60	37.50	28-May-21	Last trading day of May, Nov
CHO-W2	0.07	0	0.5	0.65	0.86	1 : 1	N/A	86.00	37.81	636.40	7.14	30-Dec-20	Last trading day of June, Dec
CI-W1	0.01	0	0.65	0.07	2.16	1 : 1.0172	N/A	238.31	57.06	98.77	66.12	30-May-20	Last trading day of May, Nov
CKP-W1	SP	0	3.8	0.07	6.00	1 : 1.0007	N/A	58.20	52.67	1,111.15	380.27	29-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	0.49	0.01	1.76	0.16	3.00	1 : 1	N/A	98.30	69.91	60.63	3.59	02-Jul-20	15th of Jan, Jul
DCC-W1	0.31	0.28	1.52	1.01	1.15	1 : 1	11.56	-3.95	30.62	1,907.75	4.90	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DOD-W1	0.48	0.38	6.45	1.17	15.75	1 : 1	27.35	151.63	78.75	182.22	13.44	07-Jul-21	Last trading day of May, Nov
D-W1	1.18	0.89	3.74	1.83	4.00	1 : 1	33.06	38.50	53.12	40.00	3.17	04-Mar-22	Last trading day of Feb, May, Aug ,Nov
ECF-W3	0.34	0	1.06	0.80	5.00	1 : 1.0008	N/A	403.70	66.65	129.95	3.12	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2

QA Report : Warrant Focus

Stock	Warrant Price(Bt)		Underlying (Baht)	Time Left (Year)	Exe. Price (Baht)	Exe. Ratio	Premium (%)	All in Premium (%)	Volatility (%)	Warrant Remaining (Mil.Unit)	Gearing (X)	Expiry Date	Exercise Period
	Market	Black Scholes											
ECL-W3	0.13	0.02	0.84	0.76	1.85	1 : 1	437.36	135.71	70.00	554.43	6.46	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0	0.04	0.08	0.60	1 : 1	N/A	1425.00	212.38	1,377.16	4.00	02-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0	0.04	0.08	0.50	1 : 1	N/A	1175.00	212.38	772.51	4.00	02-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	N/A	0.07	0.20	1.00	1 : 2.32054	N/A	3116.15	248.65	190.75	16.24	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.05	0.07	0.07	1.12	1.00	1 : 2.32054	-26.07	3248.76	248.65	16.42	3.25	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.03	0.05	0.12	3.45	0.15	1 : 1	-42.8	50.00	106.45	4,216.75	4.00	15-Oct-23	15th of Apr,Oct
EP-W3	0.36	0.08	3.46	0.62	4.78	1 : 1.0457	366.37	50.82	38.51	85.54	10.05	17-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FVC-W2	0.01	0	0.35	0.15	0.96	1 : 1.04545	N/A	184.30	57.08	138.79	36.59	27-Jun-20	Last Trading of June
GLOCON-W4	0.20	0.17	0.6	1.71	0.50	1 : 1	14.44	16.67	64.08	749.60	3.00	20-Jan-22	Last trading day of Mar, June, Sept, Dec
HPT-W1	0.25	0.16	0.59	1.08	0.50	1 : 1.00828	55.49	26.64	67.05	110.50	2.38	04-Jun-21	Last trading day of June, Dec
HYDRO-W1 <i>SP</i>	0.04	0.02	0.19	1.77	1.00	1 : 1	85.62	447.37	96.84	98.12	4.75	10-Feb-22	First business day of Mar, Jun, Sept and Dec
ITEL-W1	0.28	0.1	2.14	1.05	5.00	1 : 1	169.88	146.73	68.22	249.99	7.64	23-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	0.88	0.58	3.96	0.17	3.39	1 : 1.267	51.26	9.98	79.22	1,169.41	5.70	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.04	0	0.77	0.19	3.50	1 : 1	N/A	359.74	78.91	241.12	19.25	14-Jul-20	Last trading day of Mar, June, Sept, Dec
JKN-W1 <i>SP</i>	0.01	N/A	4.34	0.01	13.33	1 : 1.125	N/A	233.38	55.79	108.00	488.25	09-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	3.22	4.31	17.9	1.31	18.62	1 : 1.02031	-25.21	22.47	72.52	221.49	5.67	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.32	0.1	0.64	2.10	2.00	1 : 1	228.59	262.50	82.09	156.48	2.00	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	0.63	0.23	3.34	1.97	4.00	2 : 1	169.96	38.62	55.99	157.10	5.30	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.07	0.06	0.8	1.31	2.10	1 : 1	21.99	171.25	77.21	1,375.54	11.43	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W4	0.02	0	0.35	0.56	3.50	1 : 1	N/A	905.71	92.45	91.07	17.50	26-Nov-20	29 Aug 19, 28 Nov 19, 27 Feb 20, 26 May 20, 2
MILL-W4	0.04	0.02	0.53	2.18	1.93	1 : 1.14	134.63	309.74	56.04	405.44	15.11	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.01	N/A	0.53	0.18	1.68	1 : 1.069	N/A	234.78	56.04	905.04	56.66	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	2.24	2.13	21.1	1.41	43.00	1 : 1	5.25	114.41	66.57	230.85	9.42	30-Sep-21	15th of Feb, May, Aug, Nov
NEWS-W6	0.01	N/A	0.01	1.10	0.02	1 : 1	N/A	160.00		14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	0.76	0.2	1.55	1.61	6.48	1 : 1.00255	279.22	368.26	96.47	108.78	2.04	13-Dec-21	Last trading day of June, Dec

QA Report : Warrant Focus

Stock	Warrant Price(Bt)		Underlying (Baht)	Time Left (Year)	Exe. Price (Baht)	Exe. Ratio	Premium (%)	All in Premium (%)	Volatility (%)	Warrant Remaining (Mil.Unit)	Gearing (X)	Expiry Date	Exercise Period
	Market	Black Scholes											
NOK-W1	0.01	N/A	1.18	0.07	3.19	1 : 1.5695	N/A	268.11	79.22	127.75	185.20	30-May-20	Last trading day of Mar, June, Sept, Dec
NVD-W1	0.12	0	1.06	1.19	7.86	1 : 1.018	N/A	664.58	57.16	276.12	8.99	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.34	0.08	0.85	1.78	1.00	1 : 1	317.04	57.65	34.82	603.22	2.50	13-Feb-22	13 Feb 2022
ORI-W1	0.29	0	4.54	0.41	13.33	1 : 1	N/A	200.07	60.96	609.86	15.66	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2 <i>SP</i>	0.01	0.03	0.06	2.80	2.00	1 : 1	-69.61	3250.00	201.71	2,460.22	6.00	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PACE-W3 <i>SP</i>	0.01	0.04	0.06	2.32	0.25	1 : 1	-76.58	333.33	201.71	1,167.36	6.00	29-Aug-22	29 Nov 19
PDI-W1	0.48	0	4.48	1.02	33.00	1 : 1	N/A	647.32	37.04	75.33	9.33	14-May-21	15 May, 15 Nov
PDJ-W4	0.27	0.13	1.03	0.76	1.00	1 : 1	103.21	23.30	47.31	51.19	3.81	07-Feb-21	7 Feb 21
PERM-W1	0.13	0.04	0.62	2.12	1.80	1 : 1	248.07	211.29	58.58	250.00	4.77	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	0.60	0.23	1.8	2.06	5.91	1 : 1.09999	166.39	287.78	78.69	46.00	3.30	27-May-22	Last trading day of June, Dec
PPPM-W4	0.12	0.15	0.46	4.24	1.00	1 : 1	-17.25	143.48	75.43	228.83	3.83	31-Jul-24	Last trading day of Oct
PRIME-W1	0.02	N/A	0.3	0.63	1.08	1 : 1.3946	N/A	369.66	62.49	347.00	20.92	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PRIME-W2	0.02	N/A	0.3	0.63	1.53	1 : 1.3095	N/A	544.45	62.49	261.75	19.64	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PROUD-W2	0.17	0.01	0.91	0.17	1.53	1 : 1.174	N/A	102.31	92.65	31.68	6.28	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.01	N/A	0.61	0.16	2.25	1 : 1.22449	N/A	330.41	65.15	157.08	74.69	03-Jul-20	Last Trading day of Jan, Jul
RS-W3 <i>SP</i>	0.01	0.08	11.1	0.05	12.44	1 : 1.0047	-88.14	12.24	48.86	187.52	1115.22	23-May-20	Last trading day of Apr, Oct
RWI-W2	0.07	0.13	1	1.67	1.50	1 : 1	-45.88	57.00	61.48	318.15	14.29	06-Jan-22	15th Jun, Sept, Dec 2020, Mar, Jun, Sept 2021
SAMART-W2	0.42	0.05	5.05	1.03	14.80	1 : 1.014	681.41	204.21	58.67	335.43	12.19	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.13	0.03	0.93	0.49	1.00	1 : 1	272.93	21.51	30.45	93.41	7.15	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	5.60	7.25	53.75	0.07	48.48	1 : 1.237	-22.75	0.75	74.04	31.05	11.87	30-May-20	Last trading day of May,Nov
SDC-W1	0.09	0.05	0.14	3.07	0.50	1 : 1	94.08	321.43	99.78	1,731.04	1.56	01-Jun-23	Last trading day of June, Dec
SIMAT-W2 <i>SP</i>	0.01	N/A	1.94	0.04	13.32	1 : 1.1261	N/A	661.15	49.08	37.81	218.46	20-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.29	0.03	1.94	5.04	26.64	1 : 1.1261	1007.5	1450.59	49.08	37.81	7.53	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.91	0.93	1.94	1.18	1.00	1 : 1	-2.01	-1.55	49.08	43.69	2.13	08-Jul-21	9 Jul 2021
SINGER-W1	1.29	0.71	5.55	0.97	7.00	1 : 1	82.72	49.37	58.88	65.75	4.30	23-Apr-21	Last trading day of Mar, June, Sept, Dec

QA Report : Warrant Focus

Stock	Warrant Price(Bt)		Underlying (Baht)	Time Left (Year)	Exe. Price (Baht)	Exe. Ratio	Premium (%)	All in Premium (%)	Volatility (%)	Warrant Remaining (Mil.Unit)	Gearing (X)	Expiry Date	Exercise Period
	Market	Black Scholes											
SINGER-W2	1.12	0.7	5.55	2.96	14.00	1 : 1	59.46	172.43	58.88	65.75	4.96	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMART-W2	0.21	0.02	0.96	1.41	1.50	1 : 1	743.1	78.13	34.81	92.00	4.57	01-Oct-21	Last Trading Day of May 20, Nov 20, May 21 an
SMT-W2	0.01	0	0.88	0.07	2.10	1 : 1	N/A	139.77	67.22	209.12	88.00	30-May-20	Last trading day of Mar, Sept , Dec
SST-W2	0.96	0	2.9	1.41	10.00	1 : 1	N/A	277.93	35.01	30.39	3.02	30-Sep-21	Last trading day of June, Dec
SUPER-W4	0.01	0	0.58	0.32	2.49	1 : 1	N/A	331.03	54.82	5,469.68	58.00	31-Aug-20	Last trading day of Feb, May, Aug ,Nov
SWC-W1	3.16	2.04	4.54	1.93	1.00	1 : 1	54.6	-8.37	36.91	137.67	1.44	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.04	N/A	0.37	0.73	1.79	1 : 1.12	N/A	441.95	55.55	400.00	10.36	28-Jan-21	Last trading day of Dec
TAPAC-W4	0.56	0.14	4.7	1.87	9.00	1 : 1	306.65	103.40	39.90	205.93	8.39	18-Mar-22	Last trading day of June, Dec
TCC-W3	0.04	0.01	0.2	1.91	0.81	1 : 1.23886	197.45	400.77	70.08	92.20	6.19	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.04	0.02	0.2	3.02	0.90	1 : 1.10801	78.71	411.63	70.08	369.34	5.54	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.12	0.1	0.2	8.06	0.50	1 : 1	14.44	210.00	70.08	98.41	1.67	24-May-28	Last trading day of Jul
TCJ-W2	0.01	N/A	2.24	0.09	9.80	1 : 1.02	N/A	344.89	63.33	31.53	228.48	06-Jun-20	Last trading day of Mar, June, Sept, Dec
TFG-W2 <i>SP</i>	0.01	N/A	3.82	0.04	9.22	1 : 1.031	N/A	145.93	62.34	510.81	393.84	19-May-20	Last trading day of June, Dec
TGPRO-W3	0.01	0.03	0.06	3.38	0.50	1 : 1	-64.84	750.00	160.49	1,944.51	6.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
TH-W2	0.01	0	0.45	0.12	1.00	1 : 1	N/A	124.44	46.36	321.67	45.00	17-Jun-20	Last Trading of June
TNITY-W1	0.27	0.08	3.5	0.87	5.00	1 : 1	251.65	50.57	43.88	97.28	12.96	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.06	0.03	0.17	1.07	0.25	1 : 1.00027	135.65	82.33	71.71	1,606.61	2.83	29-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.39	0.01	3.3	1.15	18.00	1 : 1	N/A	457.27	63.80	112.00	8.46	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.16	0.09	0.7	0.91	1.00	1 : 1.002	71.48	65.56	73.42	162.48	4.38	02-Apr-21	Last trading day of June, Dec
UAC-W2	0.17	0	2.9	0.15	5.55	1 : 1	N/A	97.24	46.61	66.76	17.06	30-Jun-20	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	1.33	2.86	6.00	1 : 0.01	N/A	3.52	69.74	141,895.49	1.33	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	0.92	2.2	8.35	2.35	10.00	1 : 1	-58.16	30.78	62.13	1,661.33	9.08	11-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.60	0.63	1.65	0.10	1.00	1 : 1.00086	-5.17	-3.09	31.94	361.66	2.75	12-Jun-20	30th of Sep
VIBHA-W3	0.12	0.04	1.65	2.11	3.00	1 : 1.00086	192.13	88.99	31.94	1,011.62	13.76	14-Jun-22	30 Sep of each year
WAVE-W1 <i>SP</i>	0.01	0	1.2	0.01	6.00	1 : 1	N/A	400.83	61.98	42.12	120.00	09-May-20	Last trading day of June, Dec

QA Report : Warrant Focus

Stock	Warrant Price(Bt)		Underlying (Baht)	Time Left (Year)	Exe. Price (Baht)	Exe. Ratio	Premium (%)	All in Premium (%)	Volatility (%)	Warrant Remaining (Mil.Unit)	Gearing (X)	Expiry Date	Exercise Period
	Market	Black Scholes											
WIJK-W2	0.12	0	1.13	1.66	4.19	1 : 1.194	N/A	336.12	49.81	124.97	11.24	02-Jan-22	Last Business Day of December of each year.
ZMICO-W4	0.07	N/A	0.58	3.95	2.70	1 : 2	N/A	755.17	55.29	413.03	16.57	17-Apr-24	Last trading day of Mar, June, Sept, Dec